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Application No.: 10/734,948

Docket No.: JCLA12519

In The Claims

1. (currently amended) A non-azeotropic refrigerant mixture, comprising carbon dioxide and at least one kind of combustible refrigerant, and having a temperature glide, wherein the temperature glide produces a first temperature range between a beginning temperature of an evaporation and an intermediate temperature in an evaporation process for use as a refrigeration area, and a second temperature range from the intermediate temperature to a ~~temperature at an ending~~ temperature of the evaporation process for use as a cold storage area.

2. (original) The non-azeotropic refrigerant mixture of claim 1, wherein the combustible refrigerants are hydrocarbons.

3. (previously presented) The non-azeotropic refrigerant mixture of claim 1, wherein the combustible refrigerant is combustible HFC refrigerants.

4. (original) A refrigerating cycle, in which a compressor, a heat radiator, an expansion mechanism and an evaporator are connected by a refrigerant path, characterized in that the non-azeotropic refrigerant mixture of claim 1 is circulated in the refrigerating cycle.

5. (currently amended) A refrigerating cycle, in which a compressor, a heat radiator, an expansion mechanism and an evaporator are connected by a refrigerant path, characterized in that the non-azeotropic refrigerant mixture of claim 1 is circulated in the refrigerating cycle, and the non-azeotropic refrigerant mixture is subjected to a ~~hyper-supper~~ critical state at a high pressure side of the evaporator.

6. (currently amended) A refrigerating cycle, in which a compressor, a heat radiator, an expansion mechanism and an evaporator are connected by a refrigerant path, characterized in